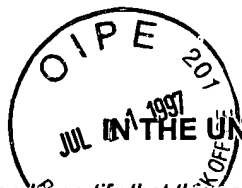


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PATENT

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on July 16, 1997.

Mary Helen Lopez
Signature

Applicant : Dah-Ben Liang, et al.
Application No. : 08/815,745
Filed : March 12, 1997
Title : ROCK BIT WITH HARDFACING MATERIAL INCORPORATING
SPHERICAL CAST CARBIDE PARTICLES

Grp./Div. : Unknown
Examiner : Unknown

Docket : 30473/RDS/S61

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INFORMATION DISCLOSURE STATEMENT AND
CERTIFICATION UNDER § 1.97(e)(1)

Post Office Box 7068
Pasadena, CA 91109-7068
July 16, 1997

Assistant Commissioner for Patents
Washington, D.C. 20231

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO-1449 with a listing of a reference that is known to applicant. A copy of the listed reference is enclosed.


It is respectfully requested that this reference be considered in the examination of this application and identified on the list of references cited on the patent issuing on this application. Applicant also requests that an initialed copy of said FORM PTO-1449 be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Application No. 08/815,745

Applicant's undersigned attorney hereby certifies, in accordance with 37 CFR § 1.97(e)(1), that the above information was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this statement.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 
Richard D. Seibel
Reg. No. 22,134
626/795-9900; 213/681-1800

RDS/mhl
Enclosures: PTO 1449, w/reference.

MHL PAS92265.1*-7/16/97 3:32 pm